

Notice of Allowability

Application No.

09/687,881

Examiner

Man Phan

Applicant(s)

KHALIL ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communications filed 7/12/2007.
2. ☒ The allowed claim(s) is/are 1, 3-6, 8, 10-28, 30, 31, 33 (Claims are renumbered as 1-28 respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Reasons for allowance

1. This communication is in response to applicant's amendment filed on 07/12/2007 in the application of Khalil et al. for a "Buffer management for mobile internet protocol" filed 10/13/2000. This application claims benefit from Provisional Application 60/160,031 dated 10/18/1999. This application is a Request for Continued Examination (RCE) under 37 C.F.R. 1.114 filed on October 01, 2007. The proposed amendments has been entered and made of record. Claims 2, 9, 29, 32 have been canceled per applicant's request, and claims 1, 3, 7, 8, 10, 14, 15, 17-19, 23, 28, 31, 33 have been amended. The claims have been amended to better point out and more distinctly claim subject matter comprising the invention.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. The application has been amended as follows:

IN THE CLAIMS:

I Claim 1: line 6, replace "completing the handoff to the second agent" with —completing the handoff of the mobile node to the second agent—

Claim 7: cancel

Art Unit: 2616

Claim 8: line 8, replace "completing the handoff to the second agent" with –completing the handoff of the mobile node to the second agent—

Claim 23: line 4, replace "determining that the mobile node is in handoff" with –determining that the mobile node is in handoff from an old agent to a new agent—

Claim 23: line 6, replace "wherein the first message is part of a registration request protocol to the second agent" with –wherein the first message is part of a registration request protocol to the new agent—

Claim 23: line 8, replace "completing the handoff of the mobile node" with –completing the handoff of the mobile node to the new agent—

Claim 28: line 6, replace "completing the handoff to the second agent" with –completing the handoff of the mobile node to the second agent—

Claim 31: line 8, replace "completing the handoff to the second agent" with –completing the handoff of the mobile node to the second agent—

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Claims 1, 3-6, 8, 10-28, 30, 31, 33 are allowable as evident by applicant's amendment (Claims are renumbered as 1-28 respectively).

6. The following is an examiner's statement of reasons for allowance: The instant application is deemed to be directed to a nonobvious improvement over the invention patented in closest prior arts of record. The improvement comprises a method and system for supporting a handoff of a mobile node from a first agent of a first network to a second agent of a second network, the method comprising the steps of: upon initiation of the handoff, sending a first message to the first agent requesting the first agent to buffer at the first agent all packets being sent to the mobile node, wherein the first message is part of a registration request protocol to the second agent; completing the handoff of the mobile node to the second agent; and responsive to the completing, sending a second message to the first agent requesting the first agent to forward the packets buffered at the first agent to the second agent, wherein the second message is also a part of the registration request protocol, as specifically recited in claim.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Man U. Phan whose telephone number is (571) 272-3149. The examiner can normally be reached Monday through Friday from 6:00 am to 3:00 pm.

Art Unit: 2616

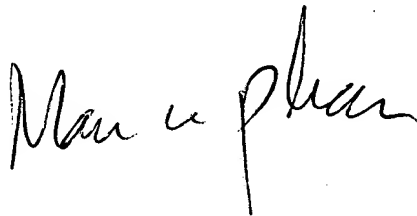
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel, can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at toll free 1-866-217-9197.

MPhan

09/24/2007

A handwritten signature in black ink that reads "Manu Phan". The signature is written in a cursive, flowing style.